

CLAIMS

1. A flexible tubular pipe for transporting fluids,  
particularly gaseous hydrocarbons, the pipe being  
5 of the unbonded type and comprising at least a  
carcass (2), a polymer internal sealing sheath (3)  
providing sealing for the transported fluid and  
one or more armor layers (5) and in which the  
carcass (2), situated inside the internal sealing  
10 sheath (3) consists of the interlocked spiral  
winding of a profiled element (7), characterized  
in that the turns of the carcass (2) are  
internally covered with a sheath (30) pierced with  
holes (31) that is intended to oppose turbulence  
15 of the fluid flowing in the pipe.
2. The pipe as claimed in claim 1, in which the turns  
of the carcass (2) form internal discontinuities  
(9) between them, characterized in that the holes  
20 (31) in the pierced sheath (30) are situated  
partially at the internal discontinuities (9)  
between the turns and prevent the antiturbulence  
sheath (30) from collapsing if the interior of the  
pipe is decompressed.
- 25 3. The pipe as claimed in claim 2, characterized in  
that at least 30% of the holes are partially  
situated at the internal discontinuities (9)  
between the turns.
- 30 4. The pipe as claimed in either one of claims 2 and  
3, characterized in that the pierced sheath  
partially collapses at the internal  
discontinuities (9) between the turns.
- 35 5. The pipe as claimed in any one of claims 1 to 4,  
characterized in that the holes are oblong.

6. The pipe as claimed in any one of claims 1 to 5,  
characterized in that the holes (31) have a mean  
diameter of between 1 and 8 mm.
- 5 7. The pipe as claimed in any one of claims 1 to 6,  
characterized in that the holes (31) are  
positioned longitudinally in an offset manner.
- 10 8. The pipe as claimed in any one of claims 1 to 7,  
characterized in that the holes (31) are  
positioned with a spacing of between 5 and 100 mm.
- 15 9. The pipe as claimed in any one of claims 1 to 8,  
characterized in that the antiturbulence polymer  
sheath (30) is reinforced with fiber or with a  
latticework.